



ENTHALPY CONTROLLER

FEATURES

- Microprocessor based with or without display
- Used in conjunction with 2 sets of temperature and RH sensors
- Calculates return/ambient air enthalpy, wet-bulb temperature calculation optional
- 2 position (ON/OFF) and modulating outputs
- Controls
 - Fresh/Return/Exhaust air dampers
 - Cooling/Heating plant
 - Humidifier/dehumidifier
 - Heater banks



TEMPERATURE AND RH SENSORS

BENEFITS

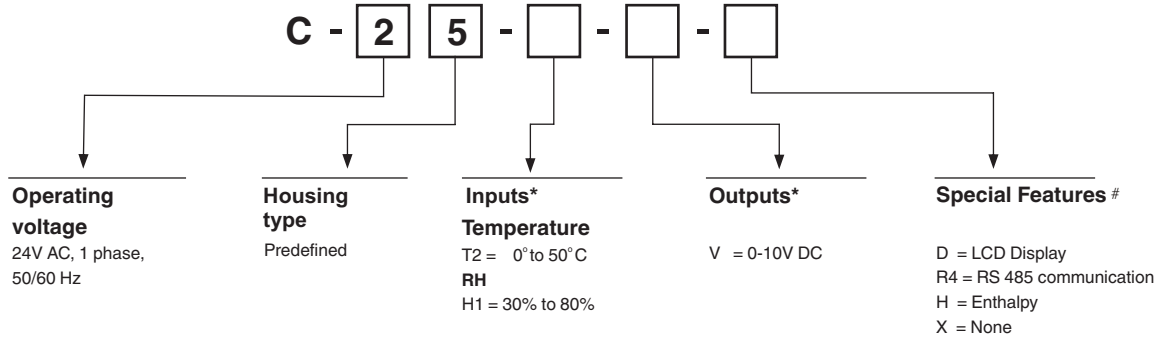
- Calculates and compares return/ambient air enthalpies
- Operates the damper to minimize energy usage for free cooling
- Can be used with energy recovery system

TECHNICAL DATA

Sensing element	Temp.	: NTC Thermistor
	RH	: High polymer type
Sensing accuracy	Temp.	: $\pm 1^{\circ} \text{C}$
	RH	: $\pm 5\% \text{ rh}$
Display type*		: 8 character x 2 line, alphanumeric, dot matrix, STN LCD with back light
Display resolution		: 0.1% of the maximum value
Operating voltage		: 24V AC
Digital output rating		: 3A, 230V AC
Terminals		: Accept max. 2.5 sq. mm cable
Permissible ambient temp.		: -20°C to 40°C
Protection		: IP 30

* wherever applicable

MODEL DESIGNATION



NOTES:

- *** In case of more than one input/output, the type of multiple input/output shall be specified in the same block, i.e., T1.T2.
- *** In case of input from external sensor and E to that input, i.e., ET1.ET2.
- # In case of more than one special feature the multiple features shall be specified in the same block i.e. EI.B